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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/892,875	06/28/2001	Hidenori Yokokura	35.C15503	3046

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EXAMINER
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PATEL, DHAIRYA A

ART UNIT	PAPER NUMBER
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2151

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	09/892,875		YOKOKURA, HIDENORI	
	<b>Examiner</b>		<b>Art Unit</b>	
	Dhairya A Patel		2151	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 13 January 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) 8-13 and 21-26 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7, 14-20, 27-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 6/28/01 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date: _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>1/11/05</u> .   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

1. This action is responsive to communication filed on 1/13/2005. This amendment has been entered and fully considered. Claims 1-30 are subject to examination
2. Claims 8-13, 21-26 are cancelled.
3. The objection to the specification cited in the previous office action is withdrawn.

### ***Drawings***

4. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 2F, 1F. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

In figure 1, there are reference characters 2F and 1F which is not mentioned in the description.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-5,7,14-18,20,27-30 rejected under 35 U.S.C. 102(e) as being anticipated by Yamamoto et al., U.S. Patent # 6,553,431 (hereinafter Yamamoto).

1. As per claim 1, Yamamoto teaches a multifunctional device (column 22 line 9) (figure 29) connected to a network and having a plurality of functions including at least a first function (column 22 lines 18-27) and a second function (column 22 lines 25-27), said device comprising:

-registration means for transmitting information on the function of the device to a directory server (column 22 lines 7) in said network by a predetermined network protocol (column 22 lines 1-2) and registering the information in said directory server (column 22 lines 46-49)(column 22 lines 7-12).

-generation means for generating identification information (Fig. 42 element "Description") on a third function (column 29 line 34) realized by combining said first function and second function, the third function being provided as one service; and (column 11 lines 11-29)(column 29 lines 34-63).

The reference teaches the first function as in scanning the document and the second function is being printing the scan document, which is a copy (third function), which yield by combining the first and second function and it done in one service because placing the a sheet on the scanner and it scans it and then printing a copy which produces a copy is totally done in one service. The reference also teaches device ID or description (generating identification information).

-control means for registering the information generated by said generation means in said directory server by said registration means. (Column 22 lines 47-49)(column 29 lines 45-64).

2. As per claim 2, Yamamoto teaches a device according to claim 1 wherein said control means registers either said first function or said second function in said directory server by said registration means. (Column 22 lines 47-49)(Column 23 lines 34-37).

3. As per claim 3, Yamamoto teaches a device according to claim 1 wherein said first function is a printer function for providing a printer service. (Column 22 lines 18-27).

4. As per claim 4, Yamamoto teaches a device according to claim 1 wherein said second function is a scanner function providing a scanner service. (Column 22 lines 25-27).

5. As per claim 5, Yamamoto teaches a device according to claim 1, wherein said first function is a printer function for providing a printer service, said second function is a scanner function for providing a scanner service, and said third function is a copy function for providing a copy service. (column 11 lines 11-29)(column 29 lines 34-63) (Column 29 lines 34-36).

6. As per claim 7, Yamamoto teaches a network device (column 22 line 9) (figure 29) connected to a network and having a plurality of functions including at least a first function (column 22 lines 18-27) and a second function (column 22 lines 25-27), said device comprising:

- registration means for transmitting information on the function of the device to a directory server (column 22 lines 7) in said network by a predetermined network protocol (column 22 lines 1-2), and registering the information in said directory server (column 22 lines 46-49) (column 22 lines 7-12);

- generation means for generating information on a third function (column 29 line 34) realized by combining said first function and second function; and (column 29 lines 34-44).

The reference teaches the first function as in scanning the document and the second function is being printing the scan document, which is a copy (third function). The reference also teaches device ID or description (generating identification information).

- control means for registering the information generated by said generation means in said directory server by said registration means. (Column 22 lines 47-49).

7. As per claim 14, it is a method version of claim 1 and also it does not teach or further define over the limitations recited in claim 1. Therefore claim 14 is rejected under same basis as claim 1.

8. As per claim 15, Yamamoto teaches the method according to claim 14, wherein

said control step includes registering either said first function or said second function in a said directory server by said registration step. (Column 22 lines 47-49)(Column 23 lines 34-53)

9. As per claim 16, it is a method version of claim 3 and also it does not teach or further define over the limitations recited in claim 3. Therefore claim 16 is rejected under same basis as claim 3.

10. As per claim 17, it is a method version of claim 4 and also it does not teach or further define over the limitations recited in claim 4. Therefore claim 17 is rejected under same basis as claim 4.

11. As per claim 18, it is a method version of claim 5 and also it does not teach or further define over the limitations recited in claim 5. Therefore claim 18 is rejected under same basis as claim 5.

12. As per claim 20, it is a method version of claim 7 and also it does not teach or further define over the limitations recited in claim 7. Therefore claim 20 is rejected under same basis as claim 7.

13. As per claim 27, Yamamoto teaches a computer program (column 22 lines 14-16) executed by a computer of a multifunctional device (column 22 line 9) (figure 29) connected to a network and having a plurality of functions including at least a first function (column 22 lines 18-27) and a second function (column 22 lines 25-27), said program comprising:

-a registration step for transmitting information on the function of the device to a directory server (column 22 lines 7) in said network by a predetermined network

protocol (column 22 lines 1-2) and registering the information in said directory server (column 22 lines 7-12, lines 46-49).

- generation step for generating identification information (Fig. 42 element "Description") on a third function (column 29 line 34) realized by combining said first function and second function, the third function being provided as one service; and (column 11 lines 11-29)(column 29 lines 34-63).

The reference teaches the first function as in scanning the document and the second function is being printing the scan document, which is a copy (third function), which yield by combining the first and second function and it done in one service because placing the a sheet on the scanner and it scans it and then printing a copy which produces a copy is totally done in one service. The reference also teaches device ID or description (generating identification information).

-a control step for registering the information generated by said generation step in said directory server by said registration step. (Column 22 lines 47-49).

14. As per claim 28, Yamamoto teaches a computer readable storage medium (column 22 lines 13-15) in which the computer program according to claim 27 is stored. (Column 22 lines 13-16).

15. As per claim 29, Yamamoto teaches a computer program (column 22 lines 14-16) executed by a computer of a network device (column 22 line 9) (figure 29) connected to a network, and having a plurality of services including at least a first service and second service, said program (column 22 lines 18-27) comprising:

-a registration step for transmitting information on the service of the device to a directory server (column 22 lines 7) in said network by a predetermined network protocol (column 22 lines 1-2), and registering the information in said directory server (column 22 lines 7-12, lines 46-49);

-a generation step for generating information on a third service (column 29 line 34) realized by combining said first service and second service (column 29 lines 34-44).

The reference teaches the first function as in scanning the document and the second function is being printing the scan document, which is a copy (third function), which yield by combining the first and second function and it done in one service because placing the a sheet on the scanner and it scans it and then printing a copy which produces a copy is totally done in one service. The reference also teaches device ID or description (generating identification information).

-a control step for registering the information generated by said generation step in said directory server by said registration step. (Column 22 lines 47-49)(column 29 lines 45-64).

16. As per claim 30, Yamamoto teaches a computer readable storage medium (column 22 lines 13-15) in which the computer program according to claim 29 is stored. (Column 22 lines 13-16).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

17. Claims 6, 19 rejected under 35 U.S.C. 103(a) as being unpatentable over

Yamamoto et al., U.S. Patent # 6,553,431 (hereinafter Yamamoto) in view of Arnold et al., U. S. Patent # 6,167,449 (hereinafter Arnold).

18. As per claim 6, Yamamoto teaches a device according to claim 1 but does not teach said network protocol is SLP or LDAP.

Arnold teaches the said network protocol is SLP or LDAP (column 3 lines 40-45). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to implement Arnold's use of network protocol of SLP or LDAP in order to update and search service directories running over TCP/IP in large internets.

The motivation for doing so would have been to use SLP or LDAP as a protocol that provides a dynamic configuration mechanism for applications in LAN and enterprise networks.

19. As per claim 19, it is a method version of claim 6 and also it does not teach or further define over the limitations recited in claim 6. Therefore claim 19 is rejected under same basis as claim 6.

### **Remarks**

As to the remark, Applicant asserted that:

A) Yamamoto system, does not disclose generation means generate notification information corresponding to a third function realized by combining first and second functions, the third function being provided as one service.

Examiner respectfully traverses Applicant's remark for following reasons:

Yamamoto teaches generation means for generating identification information (Fig. 42 element "Description") on a third function (column 29 line 34) realized by combining said first function and second function, the third function being provided as one service; and (column 11 lines 11-29)(column 29 lines 34-63).

The reference teaches the first function as in scanning the document and the second function is being printing the scan document, which is a copy (third function), which yield by combining the first and second function and it done in one service because placing the a sheet on the scanner and it scans it and then printing a copy which produces a copy is totally done in one service. The reference also teaches device ID or description (generating identification information).

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

20. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a) "Multifunctional machine equipped with jam recovery device and selective jam recovery method" U. S. Patent # (6,081,341) by Kim; Kwang-Seuk.
- b) "Data Processing apparatus, data processing method, and storage medium storing computer readable medium" U.S. Patent # (6,642,943) by Machida; Haruo.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dhairya A Patel whose telephone number is (571) 272-4066. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on (571) 272-3939. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
FRANTZ B. JEAN  
PRIMARY EXAMINER